

A7

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 06-172741

(43) Date of publication of application : 21.06.1994

(51) Int.Cl. C09K 3/00

(21) Application number : 04-329200

(71) Applicant : KOOPU CHEM KK

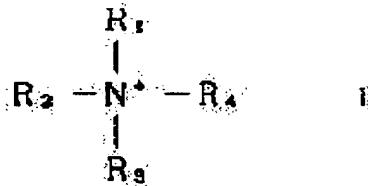
(22) Date of filing : 09.12.1992

(72) Inventor : ANDO SEINOSUKE
SEKIMOTO TAKAHIRO
KONDO TOSHIO
FUJISAKI TOSHIKAZU
HONMA KO

(54) CLAY-ORGANIC COMPOSITE COMPOSITION AND ITS USE

(57) Abstract:

PURPOSE: To obtain a compsn. which is a thixotropic sol or gel by dispersing a specific clay-organic composite in a mixture of a highly polar org. solvent with water.



CONSTITUTION: This clay-org. composite is obtd. by introducing a quaternary ammonium ion of formula I [wherein R1 is H or 1-30C alkyl; R2 and R3 are each (CH₂CH₂O)_nH or 1-30C alkyl; R4 is (CH₂CH₂O)_nH; and n>≥2] or formula II (wherein R5 is 1-4C alkyl; and R6,

R7, and R8 are each 6-14C alkyl) between the layers of a swellable layered silicate. The composite is dispersed in a mixture of a highly polar org. solvent with water, giving the objective composite compsn. which is a thixotropic, highly viscous sol or gel. The compsn. has improved dispersibility and viscosity even in a solvent having a wide range of water content and is excellent in stability and properties in the use. A gel obtd. by changing the type and amt. of the solvent is usable in many applications, e.g. in cosmetics, a remover for make-up cosmetics, a release agent for coating film, and an adhesive.

